

IC-200-3J
SPECIFICATIONS

GENERAL

Table with 4 columns: ROTATION, ELEVATION, EXTENSION. Rows include Boom Movement, Boom Speeds, Weight Total, Gradeability, and Turning Radius.

ENGINE

Table with 3 columns: Make, Model, Type, Cylinder, Displacement, HP @ Gov. Speed, Fuel Tank Capacity. Rows include engine specifications for GM and Cummins.

TRANSMISSION

POWERSHIFT TRANSMISSION with 4-speeds forward and reverse. Provides powershifts at any engine speed in any gear. All shifting is done with a single lever electrical control mounted on the steering column. Equipped with torque converter and transmission oil cooler. Torque converter has stall ratio of 2.2:1.

GEAR RATIO:
First - 5.72:1, Second - 3.23:1, Third - 1.77:1, Fourth - 1.00:1

AXLES

Table with 3 columns: TRANS. GEAR, SPEED, DRAWBAR PULL*. Rows include First, Second, Third, and Fourth gear specifications.

FRONT
Planetary drive/steer front axle with 15.78 to 1.0 ratio. Differential equipped with "limited slip" feature. Front axle mounted rigidly to frame.

REAR
Standard (2-Wheel Drive):
Steering axle with 1-1/2 degree oscillation in either direction.
Optional (4-Wheel Drive):
Planetary drive/steer axle with 24.98 to 1.0 ratio. Differential is not "limited slip" in rear axle. 1-1/2 degree oscillation in either direction. Axle ratio compatible with 4-wheel drive transmission output for front axle match. Transmission equipped with electrohydraulic control for shifting between 2-wheel drive and 4-wheel drive.

STEERING

Full hydraulic steering unit with two 3-inch (7.6 cm) cylinders attached to each axle. Allows limited steering when engine is not running. A switch on the control panel is used to select rear-wheel steering, four-wheel steering or crab steering. Electronic sensors and control box automatically align the steering when a new mode is selected.

BRAKES

Service: Split-system, 4-wheel hydraulic-boosted multiple plate wet disc brakes.
Parking: Hand lever actuated disc-type parking brake on transmission.

TIRES

15x22.5, 16-ply rating.

OPERATOR COMPARTMENT

Provides one-position access to all chassis & crane functions. Includes adjustable operator's seat, retracting seat belts, fire extinguisher & bubble level.

CHASSIS

CARGO DECK
66 square feet (6 m²) of deck area. 17,000 lbs (7,700 kg) capacity on deck when load is centered over or between axles. Steps located on front corners.

LIFTING RINGS
Lifting rings at each corner of cargo deck so sling can be attached for lifting crane.

OUTRIGGERS
Four hydraulic outriggers of box beam construction with direct connected holding valves. Independent controls for each outrigger. Outrigger pad dimension: 11" x 16" (28cm x 41cm).

HEADLIGHT & TAILLIGHT GRILLES
Welded steel protective grilles for headlights and taillights.

ACCESSORY STORAGE BOX
Storage box is 14" (35cm) deep x 10-1/2" (26cm) long x 36-1/2" (93cm) wide, located in front cargo deck.

ELECTRICAL (12-VOLT SYSTEM)

LIGHTING PACKAGE
One pair headlights with high and low beams, tail, brake and turn signal lights and back-up lights in rear, front turn signals and emergency flasher switch at operator's station.

DISPLAY
Fuel gauge and hourmeter records hours only during actual engine operations. Also includes warning lights for low oil and transmission pressure, check engine, high coolant and transmission temperature, turn signals, high beams, hazard lights, parking brake and four-wheel drive.

BACK-UP ALARM
Provides pulsating sound when transmission is in reverse.

OUTRIGGER ALARM SYSTEM
Two-tone alarm is activated when "outrigger down" controls are operated.

HYDRAULIC

TANDEM PUMP direct-driven by engine crankshaft, rated at 29 GPM (110 L/min) and 34 GPM (129 L/min) at rated RPM. Hydraulic oil tank capacity of 54 gallons (204 L)..

BOOM ASSEMBLY

FOUR-SECTION BOOM ASSEMBLY
equipped with bearing pads, double-acting hydraulic cylinders with direct-connected holding valves and boom angle indicator on each side of boom.

BOOM ROTATION
Heavy-duty ball bearing rotation gear with external teeth. Rotation is powered by hydraulic motor and worm gear drive.

BOOM HOIST
Turret mounted planetary gear hoist hydraulically powered with a bare drum line pull of 10,000 lbs. (4536 kg) at a line speed of 100 FPM (30 m/min). Includes downhaul weight, swivel hook and sheave block for 4-part line.

ANTI-TWO-BLOCK DEVICE
Prevents damage to hoist rope and/or crane components from pulling load hook against tip.

SHEAVE BLOCK, FOUR PART LINE
Double sheave block for 4-part line requirements.

RATED CAPACITY LIMITER
Warns operator of impending overload with audible & visual signals. Prevents overload by stopping boom functions that cause overloads.

DRUM ROTATION INDICATOR
Tactile feedback to operator when drum is rotating.

OTHER

Shorter boom model IC-200-2J available.



Capacity
30,000 lbs. (13,600 kg)

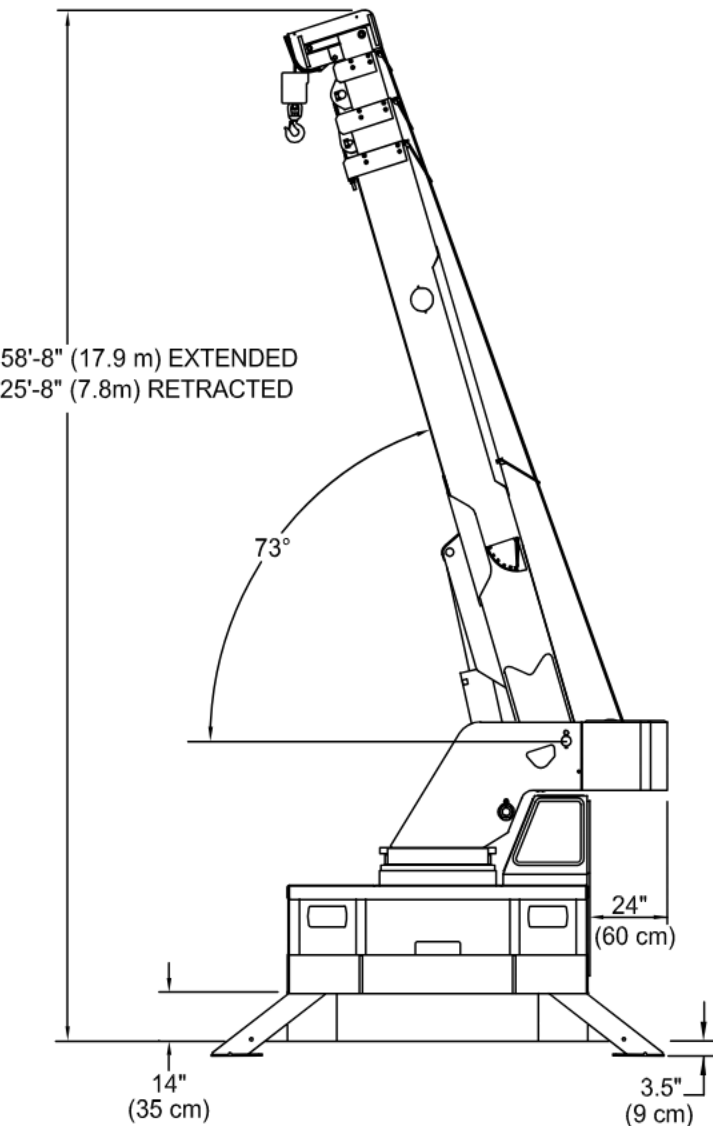
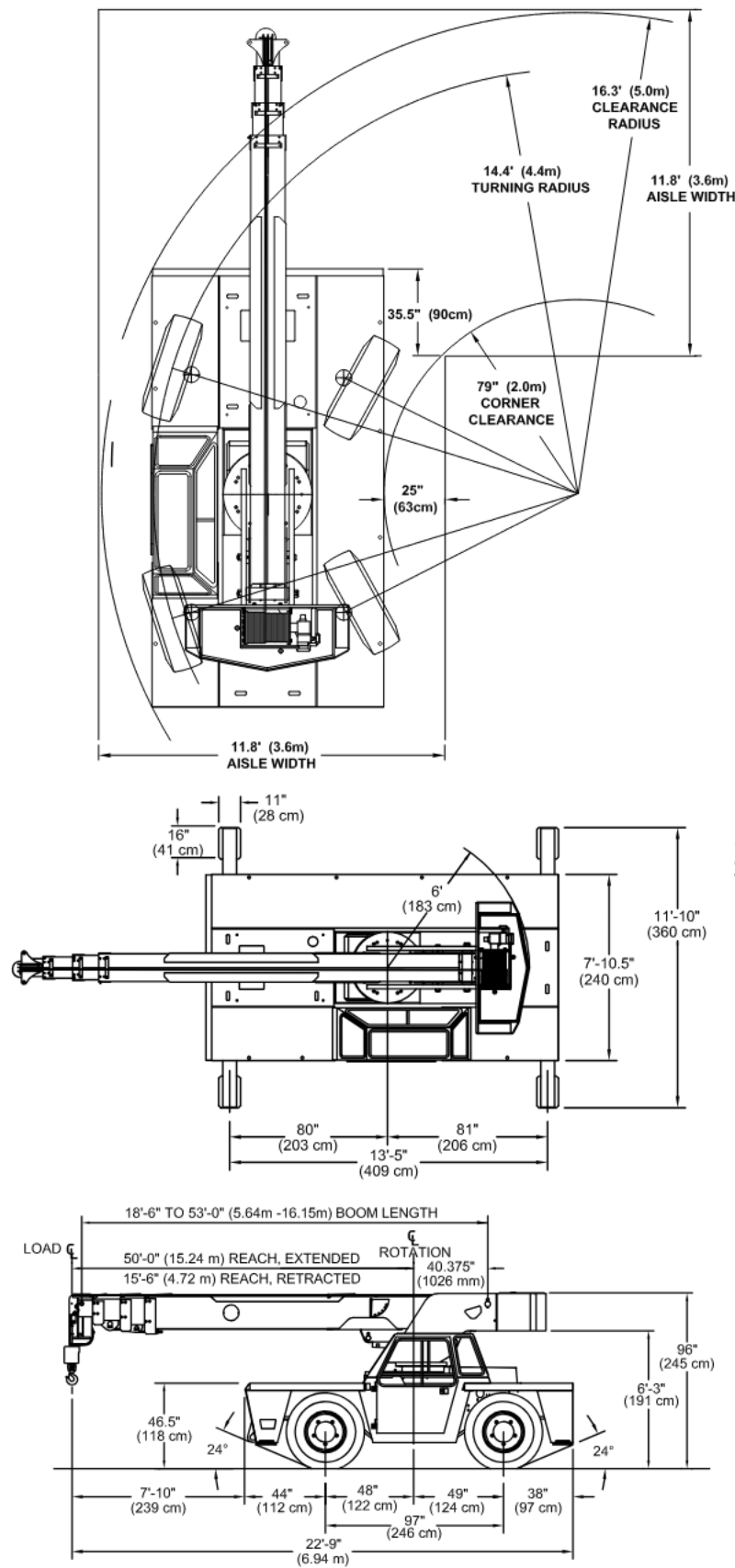
Sheave Height
73' 10" (22.4 m)
(with boom extension)

Horizontal Reach
66' (20.1 m)
(with boom extension)

Height
8' (2.44 m)

Width
7' 10.5" (2.4 m)

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SPECIFICATIONS



BMC BRODERSON[®]
Manufacturing Corp.

IC-200-3J
SPECIFICATIONS

CONSULT THE IC-200-J ENGINEERING SPEC FOR ADDITIONAL INFORMATION.

Main Features

RATED CAPACITY LIMITER
Standard

CAPACITY ON OUTRIGGERS
30,000 lbs. (13,600 kg)

PICK AND CARRY CAPACITY
up to 17,000 lbs. (7,711 kg)

HEIGHT
8' (2.45 m)

WIDTH
7' 10.5" (2.4 m)

BOOM ROTATION
360° Continuous

SHEAVE HEIGHT
up to 73'10" (22.5 m)

HORIZONTAL REACH
up to 66' (20.1 m)

FOUR-WHEEL STEER
Standard

FOUR-WHEEL DRIVE
Optional

POWERSHIFT TRANSMISSION
Standard

FULLY HYDRAULIC CONTROLS FOR SMOOTH, PRECISE OPERATIONS

INDEPENDENT OUTRIGGER CONTROLS

DIESEL OR DUAL FUEL ENGINES AVAILABLE

MODEL
IC-200-J Industrial Crane

ENGINE OPTIONS

Spark Arrester Muffler
Installed in addition to standard muffler. (Dual Fuel engine only.)

Engine Heater
Engine coolant heater installed to circulate warm water through engine, plugs into 120 volt AC.

AXLE & STEERING OPTIONS

4-Wheel Steer & 2-Wheel Drive
4-Wheel Steer & 4-Wheel Drive

TIRE OPTIONS

Non Marking Tires
Foam Filling of Tires
Spare Tire & Wheel

CHASSIS OPTIONS

Auxiliary Winch
Mounted behind the front bumper, hydraulically driven with control in operator's console.

Pintle Hook
Rear and Front
Rearview Mirrors
One mounted on right-hand deck stake and one mounted on left-hand deck stake.

OPERATOR COMPARTMENT

Operator Guard
Tubular steel weldment with heavy expanded steel mesh top section for units without All Weather Cabs.

All Weather Cab
Rigid-mounted canopy section and removable hinged door. Includes heater, electric windshield wiper, one sliding glass window in the door, & one in the right side of the canopy. Defroster fan & dome light included.

Cab Heater Only
Heater with two-speed fan for units without All Weather Cab.

Windshield Washer
Includes reservoir, pump & nozzle.
Floor Mat
Vinyl mat with foam backing.
Operator Suspension Seat
Includes floor mat, control valve cover and side panels of foam backed vinyl for noise reduction.
Air Conditioning
Air Conditioner w/134 coolant.

ELECTRICAL OPTIONS

Strobe Lights
Yellow strobe light mounted on each side of turret weight box.
Boom Work Lights
One work light mounted to boom to light boom tip and one work light mounted to turret to light ground under boom tip.
Work Lights - Rear
Two work lights recessed in rear bumper

BOOM ATTACHMENTS:

Boom Extension
16 foot (5 m), offsettable
Sheave Block
Two-Part Line
Searcher Hook
Nose Mount 5,000 lb (2,268 kg) capacity hook bracket

Broderon Cranes are designed and built to ISO 9001:2008 certified standards and have a market leading reputation for quality and reliability. Broderon Cranes are engineered for operating efficiency and are easy to operate and maintain.

An extensive network of full-service dealers offer parts and service support by factory-trained technicians.

For additional options or special equipment not listed, please consult your dealer salesperson or contact Broderon Manufacturing Corp.

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Dimensions and values shown are for reference purposes only. Specifications subject to change.

